



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

AUG 12 2014

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

Article Number: 7005 3110 0000 5966 1628

Mr. Michael Bergen, Partner
Bergen Farms
4060 Bergen Road
Odessa, New York 14869

RE: Request for Information ("RFI") Pursuant to Section 308 of the Clean Water Act
Bergen Farms Concentrated Animal Feeding Operation (NYA000279)
Docket No. CWA-IR-14-024

Dear Mr. Bergen:

The United States Environmental Protection Agency ("EPA") is charged with the protection of human health and the environment under the Clean Water Act ("CWA" or "Act"), 33 U.S.C. §§ 1251 *et seq.* Section 308(a) of the CWA, 33 U.S.C. § 1318(a), provides that whenever it is necessary to carry out the objectives of the CWA, including determining whether or not a person/agency is in violation of Section 301 of the CWA, 33 U.S.C. § 1311, the EPA shall require the submission of any information reasonably necessary to make such a determination. Under the authority of Section 308 of the CWA, the EPA may require the submission of information necessary to assess the compliance status of any facility and its related appurtenances.

Bergen Farms is hereby required, pursuant to Section 308(a) of the Clean Water Act, 33 U.S.C. § 1318(a), to submit to the EPA documentation with accompanying photographs of the following no later than deadlines specified:

1. **No later than thirty (30) calendar days of receipt of this RFI**, submit documentation with accompanying photographs of the measures taken to address each of the Potential Violations and Areas of Concern specified in the enclosed Inspection Report, including temporary measures implemented to address the runoff from the underbunk drainage system at the Main Farm as the EPA inspection team observed a discharge of contaminated (non-clean) water from the drainage system to an on-site farm pond via a roadside ditch and field ditch before exiting the farm pond and making its way to the Upper Taughannock Creek and tributary approximately one half mile away.
 - a. If corrective action for the underbunk drainage system cannot be completed **within thirty (30) calendar days of receipt of this RFI**, please provide a detailed explanation of what steps the Facility will take to address the issue. The description of planned steps should include a timeline for completion.
2. **No later than fourteen (14) calendar days of receipt of this RFI**, submit copies of mortality records maintained by the Facility from May 2009 to May 2014.
3. **No later than fourteen (14) calendar days of receipt of this RFI**, submit copies of manure application equipment inspection records from May 2009 to May 2014.

4. **No later than thirty (30) calendar days of receipt of this RFI**, submit revised Facility Maps depicting all drainage pipes and clean water diversions.

All information required to be submitted by this Request for Information shall be sent by certified mail or its equivalent to the following address:

Douglas McKenna, Chief
Water Compliance Branch
Division of Enforcement and Compliance Assistance
290 Broadway, 20th Floor
New York, NY 10007-1866

Any documents to be submitted by Bergen Farms must be sent by certified mail or its equivalent and shall be signed by an authorized representative of the respective entity (see 40 C.F.R. § 122.22), and shall include the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitted false information, including the possibility of fine and imprisonment for knowing violations."

Failure to provide the required information may subject the facility to civil/criminal penalties pursuant to Section 309 of the CWA. Failure to comply with the RFI shall also subject the facility to ineligibility for participation in work associated with Federal contracts, grants or loans.

Enclosed is a copy of the inspection report detailing the EPA's findings from its May 6, 2014 inspection at Bergen Farms.

If you have any questions regarding this Request for Information or the enclosed Inspection Report, please feel free to contact Christy Arvizu of my staff via phone at (212) 637-3961 or via email at arvizu.christy@epa.gov.

Sincerely,



TD Douglas McKenna, Chief
Water Compliance Branch

Enclosures

cc: Joseph DiMura, P.E, Director, Bureau of Water Compliance Programs, NYSDEC
Scott Rodabaugh, Regional Water Engineer, NYSDEC Region 8



United States Environmental Protection Agency
Washington, D.C. 20460

Water Compliance Inspection Report

Section A: National Data System Coding (i.e., PCS)

Transaction Code	NPDES	yr/mo/day	Inspection Type	Inspector	Fac Type
1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18 <input type="checkbox"/> 19 <input type="checkbox"/> 20 <input type="checkbox"/>					
Remarks					
21 <input type="checkbox"/> 22 <input type="checkbox"/> 23 <input type="checkbox"/> 24 <input type="checkbox"/> 25 <input type="checkbox"/> 26 <input type="checkbox"/> 27 <input type="checkbox"/> 28 <input type="checkbox"/> 29 <input type="checkbox"/> 30 <input type="checkbox"/> 31 <input type="checkbox"/> 32 <input type="checkbox"/> 33 <input type="checkbox"/> 34 <input type="checkbox"/> 35 <input type="checkbox"/> 36 <input type="checkbox"/>					
Inspection Work Days	Facility Self-Monitoring Evaluation Rating	BI	QA	Reserved	
67 <input type="checkbox"/> 68 <input type="checkbox"/> 69 <input type="checkbox"/>	70 <input type="checkbox"/>	71 <input type="checkbox"/>	72 <input type="checkbox"/>	73 <input type="checkbox"/> 74 <input type="checkbox"/> 75 <input type="checkbox"/> 76 <input type="checkbox"/> 77 <input type="checkbox"/> 78 <input type="checkbox"/> 79 <input type="checkbox"/> 80 <input type="checkbox"/>	

Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number)	Entry Time/Date	Permit Effective Date
Bergen Farms 4060 Bergen Road Odessa, NY 14869	05/06/2014 0800	07/01/2004
	Exit Time/Date	Permit Expiration Date
	05/06/2014 1600	06/30/2009
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)	Other Facility Data (e.g., SIC NAICS, and other descriptive information)	
Michael Bergen/Partner, Bergen Farms/607-275-7115; Paul Murphy/Planner, Farm Compliance Services/315-427-4947; Elaine Dalrymple/District Field Manager, Schuyler Co. SWCD/ 607-535-0878	0241 SIC/112120 NAICS	
Name, Address of Responsible Official/Title/Phone and Fax Number	Contacted	
Michael Bergen/Partner/607-275-7115	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Section C: Areas Evaluated During Inspection (Check only those areas evaluated)

<input checked="" type="checkbox"/> Permit	<input type="checkbox"/> Self-Monitoring Program	<input type="checkbox"/> Pretreatment	<input type="checkbox"/> MS4
<input checked="" type="checkbox"/> Records/Reports	<input type="checkbox"/> Compliance Schedules	<input type="checkbox"/> Pollution Prevention	
<input checked="" type="checkbox"/> Facility Site Review	<input type="checkbox"/> Laboratory	<input type="checkbox"/> Storm Water	
<input type="checkbox"/> Effluent/Receiving Waters	<input checked="" type="checkbox"/> Operations & Maintenance	<input type="checkbox"/> Combined Sewer Overflow	
<input type="checkbox"/> Flow Measurement	<input type="checkbox"/> Sludge Handling/Disposal	<input type="checkbox"/> Sanitary Sewer Overflow	

Section D: Summary of Findings/Comments

(Attach additional sheets of narrative and checklists, including Single Event Violation codes, as necessary)

SEV Codes	SEV Description	See EPA inspection report
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Phone and Fax Numbers	Date
Christy Arvizu	212-637-3961	7/29/2014
Signature of Management Q A Reviewer	Agency/Office/Phone and Fax Numbers	Date
	212 637 4268	8/8/14

INSTRUCTIONS

Section A: National Data System Coding (i.e., PCS)

Column 1: Transaction Code: Use N, C, or D for New, Change, or Delete. All inspections will be *new* unless there is an error in the data entered.

Columns 3-11: NPDES Permit No. Enter the facility's NPDES permit number - third character in permit number indicates permit type for U=unpermitted, G=general permit, etc.. (Use the Remarks columns to record the State permit number, if necessary.)

Columns 12-17: Inspection Date. Insert the date entry was made into the facility. Use the year/month/day format (e.g., 04/10/01 = October 01, 2004).

Column 18: Inspection Type*. Use one of the codes listed below to describe the type of inspection:

A	Performance Audit	U	IU Inspection with Pretreatment Audit	!	Pretreatment Compliance (Oversight)
B	Compliance Biomonitoring	X	Toxics Inspection	@	Follow-up (enforcement)
C	Compliance Evaluation (non-sampling)	Z	Sludge - Biosolids	{	Storm Water-Construction-Sampling
D	Diagnostic	#	Combined Sewer Overflow-Sampling	}	Storm Water-Construction-Non-Sampling
F	Pretreatment (Follow-up)	\$	Combined Sewer Overflow-Non-Sampling	:	Storm Water-Non-Construction-Sampling
G	Pretreatment (Audit)	&	Sanitary Sewer Overflow-Sampling	~	Storm Water-Non-Construction-Non-Sampling
I	Industrial User (IU) Inspection	\	Sanitary Sewer Overflow-Non-Sampling	<	Storm Water-MS4-Sampling
J	Complaints	=	CAFO-Sampling	-	Storm Water-MS4-Non-Sampling
M	Multimedia	2	CAFO-Non-Sampling	>	Storm Water-MS4-Audit
N	Spill	3	IU Sampling Inspection		
O	Compliance Evaluation (Oversight)	4	IU Non-Sampling Inspection		
P	Pretreatment Compliance Inspection	5	IU Toxics Inspection		
R	Reconnaissance	6	IU Sampling Inspection with Pretreatment		
S	Compliance Sampling	7	IU Non-Sampling Inspection with Pretreatment		
			IU Toxics with Pretreatment		

Column 19: Inspector Code. Use one of the codes listed below to describe the *lead agency* in the inspection.

A	State (Contractor)	O	Other Inspectors, Federal/EPA (Specify in Remarks columns)
B	EPA (Contractor)	P	Other Inspectors, State (Specify in Remarks columns)
E	Corps of Engineers	R	EPA Regional Inspector
J	Joint EPA/State Inspectors—EPA Lead	S	State Inspector
L	Local Health Department (State)	T	Joint State/EPA Inspectors—State lead
N	NEIC Inspectors		

Column 20: Facility Type. Use one of the codes below to describe the facility.

- 1 — Municipal. Publicly Owned Treatment Works (POTWs) with 1987 Standard Industrial Code (SIC) 4952.
- 2 — Industrial. Other than municipal, agricultural, and Federal facilities.
- 3 — Agricultural. Facilities classified with 1987 SIC 0111 to 0971.
- 4 — Federal. Facilities identified as Federal by the EPA Regional Office.
- 5 — Oil & Gas. Facilities classified with 1987 SIC 1311 to 1389.

Columns 21-66: Remarks. These columns are reserved for remarks at the discretion of the Region.

Columns 67-69: Inspection Work Days. Estimate the total work effort (to the nearest 0.1 work day), up to 99.9 days, that were used to complete the inspection and submit a QA reviewed report of findings. This estimate includes the accumulative effort of all participating inspectors; any effort for laboratory analyses, testing, and remote sensing; and the billed payroll time for travel and pre and post inspection preparation. This estimate does not require detailed documentation.

Column 70: Facility Evaluation Rating. Use information gathered during the inspection (regardless of inspection type) to evaluate the quality of the facility self-monitoring program. Grade the program using a scale of 1 to 5 with a score of 5 being used for very reliable self-monitoring programs, 3 being satisfactory, and 1 being used for very unreliable programs.

Column 71: Biomonitoring Information. Enter D for static testing. Enter F for flow through testing. Enter N for no biomonitoring.

Column 72: Quality Assurance Data Inspection. Enter Q if the inspection was conducted as followup on quality assurance sample results. Enter N otherwise.

Columns 73-80: These columns are reserved for regionally defined information.

Section B: Facility Data

This section is self-explanatory except for "Other Facility Data," which may include new information not in the permit or PCS (e.g., new outfalls, names of receiving waters, new ownership, other updates to the record, SIC/NAICS Codes, Latitude/Longitude).

Section C: Areas Evaluated During Inspection

Check only those areas evaluated by marking the appropriate box. Use Section D and additional sheets as necessary. Support the findings, as necessary, in a brief narrative report. Use the headings given on the report form (e.g., Permit, Records/Reports) when discussing the areas evaluated during the inspection.

Section D: Summary of Findings/Comments

Briefly summarize the inspection findings. This summary should abstract the pertinent inspection findings, not replace the narrative report. Reference a list of attachments, such as completed checklists taken from the NPDES Compliance Inspection Manuals and pretreatment guidance documents, including effluent data when sampling has been done. Use extra sheets as necessary.

*Footnote: In addition to the inspection types listed above under column 18, a state may continue to use the following wet weather and CAFO inspection types until the state is brought into ICIS-NPDES: K: CAFO, V: SSO, Y: CSO, W: Storm Water 9: MS4. States may also use the new wet weather, CAFO and MS4 inspections types shown in column 18 of this form. The EPA regions are required to use the new wet weather, CAFO, and MS4 inspection types for inspections with an inspection date (DTIN) on or after July 1, 2005.

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2, DECA-WCB
20th Floor, 290 Broadway, NY, NY 10007**

CAFO COMPLIANCE INSPECTION REPORT

Inspection Date: May 6, 2014 Inspection Time: 0800 - 1600		Inspector: Christy Arvizu, Environmental Scientist USEPA Region 2, (212) 637-3961	
Weather Conditions: Partly Cloudy/Sunny, mid 50's			
Inspection Type: Compliance Evaluation Inspection			
On-Site Representatives: Michael Bergen, Partner, Bergen Farms, (607) 275 – 7115			
Other Attendees: Paul Murphy, Planner, Farm Compliance Services, (315) 427 – 4947; Nancy Rice, Environmental Engineer, NYSDEC Region 8, (585) 226 – 5453; Elaine Dalrymple, District Field Manager, Schuyler County Soil and Water Conservation District, (607) 535-0878; Kimberly McEathron, Physical Scientist, USEPA, Region 2, (212) 637-4228			
Bergen Farms Site Information:			
Main Farm 4060 Bergen Road Odessa, NY 14869	Glenview Farm 4715 Stewart Road Montour, NY 14845	Culver Road Farm Int. of Culver Road & McIntyre Road Hector, NY 14886	
NPDES/ICIS No.: NYA000279 SPDES General Permit No. GP-04-02			
SIC/NAICS Code: 0241/112120 (Dairy Farms)			
Attachments: EPA Form 3560-3; New York State Department of Environmental Conservation, Division of Water, <u>CAFO Facility Inspection Report</u> , Version 1.0 – 3/15/06; Attachment 1 (Map)			

INTRODUCTION:

On May 6, 2014, the U.S. Environmental Protection Agency (EPA) conducted a Federal lead CAFO compliance inspection at Bergen Farms ("Bergen Farms" or "Facility") located in Odessa, New York. The Facility also has two satellite farms located in Montour and Hector, New York. The EPA inspection team consisted of Christy Arvizu and Kimberly McEathron with EPA Region 2's Division of Enforcement and Compliance Assistance, Water Compliance Branch (DECA-WCB). Nancy Rice of New York State Department of Environmental Conservation (NYSDEC) Region 8 also accompanied EPA on the inspection. Michael Bergen represented Bergen Farms. Also present was Paul Murphy of Farm Compliance Services (FCS) who has been retained as the Facility's Nutrient Management Planner. Weather conditions at the time of the inspection were in the mid 50's and partly cloudy/sunny. During the twenty-four hours prior to the inspection, Mr. Bergen stated that weather conditions were dry and sunny.

The inspection was performed to determine the Facility's compliance with the requirements and limitations of 40 C.F.R. 122.42(e) as well as NYSDEC's State Pollutant Discharge Elimination System (SPDES) General Permit for Concentrated Animal Feeding Operations (CAFOs) General Permit No. GP-04-02.

INSPECTION PROCEDURE:

The EPA inspection team arrived at 0800 hours on May 6, 2014. After arrival, the EPA inspection team presented credentials to Mr. Michael Bergen. While on-site, the EPA inspection team led by Inspector Arvizu conducted an opening conference with Mr. Michael Bergen and Mr. Paul Murphy and completed the NYSDEC CAFO Inspection Report checklist. The EPA inspection team reviewed the Facility's rainfall, manure application, soil and manure analysis records and the Comprehensive Nutrient Management Plan (CNMP). The EPA inspection team conducted the field portion of the inspection and took photographs of potential noncompliance items at the Facility. At the conclusion of the field site visit, a closing conference was held at the Glenview Farm facility with Mr. Michael Bergen, Mr. Paul Murphy, Ms. Elaine Dalrymple, and Ms. Nancy Rice to discuss the preliminary findings and observations of the inspection. After the closing conference, Inspector Arvizu and Inspector McEathron returned to the Main Farm with Mr. Bergen and Mr. Murphy to evaluate the bunk silo further. The EPA inspection team concluded the inspection at 1600 hours.

The EPA inspection team conducted the inspection in accordance with the procedures described in the "Routine Bio-Security Procedures for EPA Personnel Visiting Farms."

FINDINGS & OBSERVATIONS:

Facility Description:

Bergen Farms has three facilities (Main Farm/Home Farm, Glenview Farm and Culver Road Farm) which are all located in Schuyler County. On December 21, 1999, Bergen Farms applied for coverage under the CAFO General Permit as a medium CAFO under GP-99-01. NYSDEC granted permit coverage on January 6, 2000 (NYA000279). When the CAFO General Permit was re-issued (GP-04-02) on June 24, 2004 with an effective date of July 1, 2004, permit coverage for Bergen Farms was automatically renewed. On April 9, 2007, Bergen Farms submitted a Notice of Intent or Transfer to NYSDEC as it was expanding from a medium CAFO to a large CAFO. On December 11, 2007, NYSDEC acknowledged receipt of Bergen Farms NOI and the date of coverage as a large facility was October 31, 2007.

In the event of a discharge, Mr. Bergen stated that production area runoff would not flow to any Water of the United States (WOUS) as there are not any nearby. The nearest WOUS at the Home Farm and Culver Road Farm is the Upper Taughannock Creek and tributaries. At the Home Farm, the Upper Taughannock Creek is located to the south west of the farm (approximately three-quarters of a mile away). At the Culver Road Farm, the Upper Taughannock Creek is located to the west of the farm (approximately one-tenth of a mile away). The nearest WOUS at Glenview Farm is Catherine Creek and tributaries which is located to the northwest of the farm (approximately one-quarter of a mile away).

According to Mr. Bergen, there were approximately 3165 mature cows and 2758 heifers on-site at the time of the inspection. The Facility is considered to be a large CAFO as it meets or exceeds the large dairy CAFO threshold of 700 mature dairy cows, whether milked or dry.

The Main Farm consists of nine barns/structures:

- | | |
|------------------|------------------------|
| 1. Milk Cow Barn | 6. Calf Barn |
| 2. Prefresh Barn | 7. Calf Barn |
| 3. Dry Cow Barn | 8. Parlor/Holding Area |
| 4. Heifer Barn | 9. Bunk Silos |
| 5. Heifer Barn | |

Culver Road Farm consists of one barn/structure:

1. Calf Barn

Glenview Farm consists of six barns/structures:

- | | |
|------------------|---------------|
| 1. Milker Barn | 4. Calf Barn |
| 2. Milker Barn | 5. Bunk Silos |
| 3. Yearling Barn | 6. Parlor |

There are four manure storage facilities in use at the Facility.

1. Main Farm Concrete Pit
2. Main Farm Slurrystore (empty since spring 2013; cleaned, but has not been used since)
3. Glenview Farm Lagoon (earthen storage)
4. Culver Road Satellite Storage (earthen storage with plastic liner)

All waste from the milking parlor at the Main Farm is directed to the Concrete Pit at the Main Farm. All waste from the milking parlor at Glenview Farm is directed to the lagoon at Glenview Farm. Mr. Bergen stated that manure is transferred from the concrete storage at the Main Farm by tractor trailer and pumped into the satellite storage at Culver Road. The storage is emptied in the spring and fall.

Comprehensive Nutrient Management Plan (CNMP):

Section VII.A of the NYSDEC CAFO General Permit requires each CAFO to develop and implement a CNMP in accordance with Natural Resources Conservation Service (NRCS) Conservation Practice Standard NY312, and good agricultural practices, and should include measures necessary to prevent pollutants in runoff. The CNMP for Bergen Farms was prepared by Farm Compliance Services and was reviewed on-site.

At the time of the inspection, based on discussion with Mr. Bergen and Mr. Murphy and review of the 2013 Annual Compliance Report (Appendix D), the CNMP had been fully implemented.

The Facility's CNMP also listed the Phosphorus (P) Index and Nitrogen Leaching Index (NLI) scores for each field. The CNMP identified **fourteen** fields with very high P index scores and stated that those fields should not receive manure. There were no fields with very high Nitrogen Leaching Index (NLI) scores, but fields with high index scores were to incorporate additional recommendations such as cover cropping, and no winter or frozen ground application of manure.

Recordkeeping:

As a large CAFO, the Facility is required to maintain and retain copies of the following records for a period of least five years from the date reported in accordance with Section IX.F of the Permit:

Record	Permit Requirement	Observation
Procedures for cleaning up spills shall be identified and the necessary equipment to implement a clean-up shall be available to personnel	Section VIII.C.xii	Documented in the Facility's Emergency Action Plan which is maintained in office and with NMP
Date, amount of manure, litter, and/or process wastewater exported, name and address of recipient, and provision of representative information on the nutrient content of manure, litter, and/or process wastewater to recipient, if greater than 50 tons are exported annually	Section VIII.C.xiii	Yes, and also maintained in computer

All precipitation events in excess of 0.3 inches	Section IX.K	April 2012 – June 2012 May 2013 – November 2013 March 2014 – April 2014 Rain gage maintained at mother's house
Annual Compliance Reports	Section IX.L	2009 – 2013 maintained on-site
Manure analysis for nitrogen and phosphorus	Section IX.M	2012 – Home Pit, Home Solid, Glenview Solid and Glenview Liquid were sampled in May 2012 2013 – Heifer Pack at Main Farm, Main Farm Pit, and Culver Pack were sampled in March 2013 2014 – Home Slurry (Liquid), Home Pen Pack, Glenview Slurry (Liquid), Glenview Pen Pack, Culver Slurry (Liquid), Culver Pen Pack were sampled in April 2014.
Weekly stormwater inspections of all stormwater diversion structures, animal waste storage structures, and devices channeling contaminated stormwater to the wastewater and manure storage and containment structure	Section IX.N.i	Facility did not document inspections
Daily water line inspections (including drinking water or cooling water lines)	Section IX.O.i (Production Areas)	Records were provided for 2014 only
Weekly depth marker readings for manure and process wastewater in any open liquid storage structures	Section IX.O.ii (Production Areas)	Weekly depth marker readings available for the concrete pit at the Main Farm and the satellite storage at Culver Farm for April 2014 and periodic weekly inspections for the lagoon at Glenview Farm from March 2012 to May 2012. Mr. Bergen stated that the Facility began documenting weekly inspections at the manure storages on a wall calendar after the June 2012 NYSDEC inspection, but stopped documenting the inspections when the calendar disappeared. Therefore, there are no records of inspections at the storages prior to April 2014.
Any actions taken to correct deficiencies; deficiencies not corrected within 30 days must be accompanied by an explanation of the factors preventing immediate correction	Section IX.O.iii (Production Areas)	No records identifying deficiencies at the Facility
Handling and disposing of dead animals	Section IX.O.iv (Production Areas)	Mr. Bergen stated that his herdsman kept track of mortalities and he did not have mortality records readily available for EPA's review.

Design of the manure and litter storage structures, including: - Volume of solids accumulation - Approximate number of days worth of storage capacity - Design treatment volume - Calculations used to determine total design volume for storage structures	Section IX.O.v (Production Areas)	Reviewed the Facility's as-builts and documentation for the four manure storages. - Main Farm Concrete Pit (As Built dated 11/3/2008 by JESS Engineering PLLC) - Main Farm Slurrystore (11/2008 letter from JESS Engineering PLLC and NRCS discussing O & M requirements and maximum fill marker) - Glenview Farm Lagoon (NRCS design and undated letter to NYSDEC from Schuyler County SWCD stating that manure storage was constructed to the as-built because staff from SWCD were on-site). - Culver Road Satellite Storage – (As Built dated 12/23/2011 by JESS Engineering PLLC)
Overflows from the production area, including date and time and an estimate of the volume	Section IX.O.vi (Production Areas)	Mr. Bergen stated that no overflows occurred at the Facility.
Weather conditions at time of manure application and for 24 hours prior to and following application	Section IX.O.i (Land Application Areas)	The Facility does not record weather conditions at the time of application or in the 24 hours prior to or after application. Facility has access to weather data via computer for weekly, monthly or three-month forecasts, but lacks ability to print data directly.
Date(s) of manure application equipment inspection	Section IX.O.ii (Land Application Areas)	Mr. Bergen stated that manure application vehicles were taken off-site to be serviced and would need to get back to EPA with the dates.
Soil analysis results – “Nutrient planning shall be based on current soil test results developed in accordance with Land Grant University guidance or industry practice if recognized by the Land Grant University. Current soil tests are those that are no older than three years.”	NRCS Conservation Practice Standard NY590 & Section IX.F	Soil test results indicate fields were tested between 2011 and 2013. Fields are tested on a rotational basis with fields sampled every year. Fields that were last sampled in 2011 are scheduled to be sampled this year.
Manure application records – “[d]ocumentation of the actual rate at which nutrients were applied. When the actual rates used differ from or exceed the recommended and planned rates, records will indicate the reasons for the differences.”	NRCS Conservation Practice Standard NY590 & Section IX.F	April 2013 to present day Mr. Bergen stated that he believed he started maintaining the records as required after the last NYSDEC inspection which was on June 20, 2012.

EPA Inspector Arvizu reviewed the following fields and associated manure application recommendation/records for crop year 2012:

Field	Recommendation	Application
GV8	None	None

H4B	8 ton/ac	7,500 gallons/acre
Mace 1	8,000 gallons/acre	7,500 gallons/acre
Blaha 12	4,500 gallons/acre	4,667 gallons/acre

Clean Water:

Section VI.A of the CAFO General Permit generally prohibits the discharge of process wastewater from CAFOs to waters of the State. Section VII.A of the NYSDEC CAFO General Permit states that CNMPs are required to be prepared in accordance with “NRCS Conservation Practice Standard No. NY312” which requires that clean water be excluded from concentrated waste areas to the fullest extent practical.

Main Farm

The Facility stated, and the inspection team observed, that there are drip trenches that divert water to the on-site farm pond or surface runoff.

All animals at the Main Farm are housed within the barns and there is no exposure to precipitation. Animals are either fed in the barns or feed alley ways are covered with no exposure to precipitation.

The inspection team observed catch basins to the east of Heifer Barn #1 that were not identified on the Facility’s farmstead map. Mr. Bergen stated that the catch basins connect to another catch basin by the shop which connects to the roadside ditch. The catch basin by the shop was also not identified on the Facility farmstead map.



Photo #1 – Catch basin to east of Heifer Barn #1; located adjacent to covered concrete feed alley way

The inspection team observed a discharge from the underbunk drainage system via a large corrugated black pipe into a roadside ditch parallel to Bergen Road. The ditch went under Bergen Road and into a field ditch on the opposite side where it meandered along the borders of Field H6 and the field where the Vegetated Treatment Area (VTA) is located before discharging into a farm pond owned by the Facility. The farm pond then outlets into another field and ultimately discharges into the Upper Taughannock Creek just south of the intersection of Bergens Road and Havens Road (approximately 3,000 feet or just over half a mile from the farm pond). Prior to reaching the creek, the pond discharge picks up nutrients from an adjacent small dairy farm (non-CAFO) not owned by Mr. Bergen where cows have free access to the pasture (please see Attachment 1 for map).

The discharge from the underbunk drainage system into the roadside ditch consisted of gray water and had a strong silage leachate odor. EPA Inspector Arvizu walked along the roadside ditch to the point where it crossed under Bergen Road and noted that the color of the discharge was gray and the silage leachate odor still persisted.



Photo #2 – Discharge from underbunk drainage system at Main Farm; note gray water discharge and staining



Photo #3 – Roadside ditch parallel to Bergen Road just before ditch goes underneath road; note gray water and foaming

On the opposite (west) side of Bergen Road where the road side ditch discharged into a field ditch, the color of the discharge was still gray and the silage leachate odor was still present.



Photo #4 – West side of Bergen Road where roadside ditch discharges into field ditch

While observing the VTA which is immediately adjacent to the field ditch, EPA Inspector Arvizu noted that the gray discharge and silage leachate odor were still present.



Photos #5 & 6 – Field ditch connection; yellow pipes in photo on the left are tile lines

The field ditch connects to an on-site pond owned by the farm. At the point where the ditch connects to the pond, EPA Inspector Arvizu observed foaming, turbid water and noted the presence of a heavy silage leachate odor. Mr. Bergen stated that the pond received flow via the field ditches and the roadside ditch that is adjacent to the bunk

silo. At the pond's outlet point, EPA Inspector Arvizu noted a heavy silage leachate odor and some foaming which indicate the presence of nutrients.



Photo #7 – Connection point between farm pond (foreground) and field ditch (background)



Photo #8 – Close-up of inlet point for pond where field ditch connects; note foaming



Photo #9 – Close-up of outlet point at farm pond; note foaming

Culver Farm

The Facility stated that there are drip trenches on-site which divert clean water.

All animals at Culver Farm are housed within the Calf Barn and there is no exposure to precipitation.

Glenview Farm

The Facility stated that there are no gutters in use at the Facility and clean water runs off to grassy areas. With the exception of the Yearling Barn, all animals are housed within barns and there is no exposure to precipitation.

EPA Inspector Arvizu observed bedding around the exterior on the south side of the Milker Barn. Mr. Bergen stated that the bedding consists of shredded paper and it is pushed out by the cows as there is no curb to contain it with the barn. The exterior of the barn is roofed and there is minimal exposure to precipitation. If bedding comes into contact with precipitation, it would run-off to a nearby field.



Photo #10 – Bedding at Milker Barn at Glenview Farm

Animals housed within the Yearling Barn have access to a walkway and barnyard which was devoid of vegetation at the time of the inspection making this part of the Facility's production area as defined by the CAFO permit. During the inspection, Ms. Dalrymple and Mr. Murphy discussed the possibility of obtaining funding to develop a laneway and seeding the remainder of the barnyard.

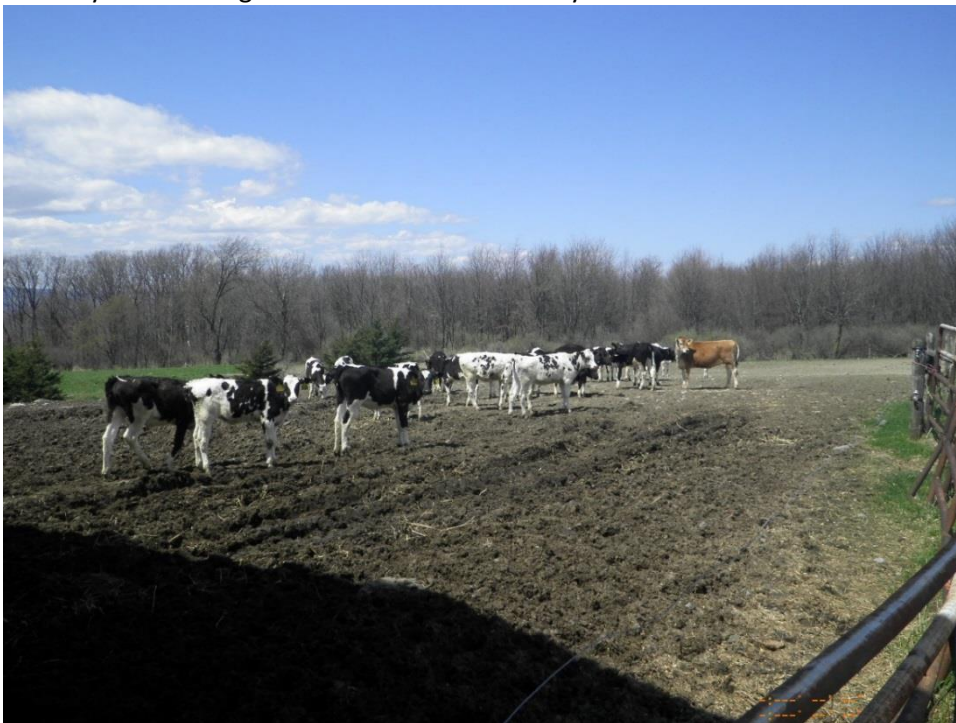


Photo #11 – Yearling Barnyard; note lack of vegetation

Silage/Feed/Commodities Storage:

Section VIII.C.xi of the NYSDEC CAFO General Permit states that “[c]ollection, storage, and disposal of liquid and solid waste should be managed in accordance with NRCS standards.” NRCS Conservation Practice Standard No. 312 “Waste Management System” states that “waste” includes polluted runoff such as that from a barnyard or silo, and that all farms with silage will address silage leachate control.” In addition, NRCS Conservation Practice Standard No. 635 “Vegetated Treatment Area” (VTA) specifies general criteria applicable to all vegetative treatment areas as well as additional criteria for treatment of bunk silo leachate. Section X.G of the CAFO General Permit requires the permittee to, at all times, properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with this permit.

Main Farm

Corn silage and haylage are stored in a 300 foot by 300 foot bunk silo which is sloped to the western end. Leachate flows toward a solids separation facility where low flow is collected and pumped to the Main Farm Concrete Pit and high flow is directed to a double linked wastewater treatment strip, or VTA. At the time of the inspection, all silage was contained within the bunk and was covered with plastic and secured with tires.

According to the as-built (dated 11/29/2006 from JESS Engineering) provided by the Facility for the VTA, the first of two linked VTAs is 120 feet long, 60 feet wide with a 2 foot berm, and the second VTA is 290 feet long and 100 feet wide. The total surface area of the VTA is 90,000 square feet. At the time of the inspection, the EPA inspection team observed that the level lip spreader at the second VTA was not fully operational due to a blow-out at the top of the first cell. However, the EPA inspection team did not observe kill zones or notable dead vegetation in the VTA.



Photo #12 – Level lip spreader at 2nd VTA; view looking southwest

Glenview Farm

Corn silage and haylage are stored in a 130 foot by 380 foot bunk. Leachate is collected via a low flow/high flow collection system where low flow goes to the lagoon and high flow is directed to the wastewater treatment strip, or VTA. At the time of the inspection, all silage was contained within the bunk and was covered with plastic and secured with tires.

According to the as-built (dated 12/03/2007 from JESS Engineering) provided by the Facility for the VTA, the VTA is 260 feet long and 120 feet wide with a 12% slope. At the time of the inspection, Mr. Bergen explained that during the winter the distribution pipe at the VTA froze and low flow/concentrated flow had discharged to the VTA and flooded the VTA. The Facility had reseeded the VTA and covered it with straw while in the process of waiting for the VTA to germinate and stabilize.



Photo #13 – Glenview Farm VTA; view looking east

Waste Storage Facilities and Manure Transfer:

Section VIII.C.xi of the NYSDEC CAFO General Permit states that “[c]ollection, storage, and disposal of liquid and solid waste should be managed in accordance with NRCS standards.” NRCS Conservation Practice Standard No. 313 “Waste Storage Facility” specifies general criteria applicable to all waste storage facilities as well as additional criteria for waste storage ponds. Section VIII.C.viii of the NYSDEC CAFO General Permit states that “[s]olids, sludges, manure or other pollutants removed in the course of treatment or control of wastewater shall be disposed of in a manner such as to prevent pollutants from being discharged to waters of the State.” In addition, Section X.G of the CAFO General Permit requires the permittee to at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with this permit.

Main Farm

According to Mr. Bergen and the As-Built which was provided to the EPA inspection team for review, the Main Concrete Pit is a concrete storage that measures 160 feet in diameter and is 16 feet deep; holds 1.3 million gallons of manure; and has approximately 1.5 months of storage. Mr. Bergen stated that the manure storage was constructed in 2006.

At the time of the inspection, Mr. Bergen stated that the manure level was approximately 13 feet deep. Fencing surrounded the top of the storage.

Main Farm Slurrystore

According to Mr. Bergen, the Slurrystore is an above ground steel storage that measures 70 feet in diameter and is 25 feet deep; holds 750,000 gallons of manure; and has approximately 10 days of storage. Mr. Bergen stated that the manure storage was constructed/installed in 1993.

At the time of the inspection, the Slurrystore was not in use and had been empty since Spring 2013 according to Mr. Bergen. Due to access issues, the EPA inspection team did not visually observe the contents of the structure.

Glenview Farm Lagoon

According to Mr. Bergen, the Glenview Farm lagoon is an earthen manure storage that measures 250 feet in length, 175 feet in width, and is 12 feet deep; holds 4 million gallons of manure; and has approximately 2 months of storage. Mr. Bergen stated that the manure storage was constructed in 1999.

At the time of the inspection, Mr. Bergen stated that the manure level was approximately half full. The EPA inspection team observed that there was partial fencing around the storage, but fence posts were installed. No warning signs were posted. Mr. Bergen stated that he planned to erect fencing around the storage this summer. Mr. Bergen also explained that he had recently reconstructed and stabilized the clean water diversion around the lagoon. While walking around the perimeter of the storage lagoon, EPA Inspector Arvizu observed lack of vegetation/stabilization on the berm of the storage. In addition, EPA Inspector Arvizu observed rodent holes on the south and east sides of the storage, along with minor woody vegetation on the east side of the storage.



Photo #14 – West side of Glenview lagoon; note lack of vegetation on berm



Photo #15 – Rodent hole on south side of Glenview lagoon



Photo #16 – Rodent holes on east side of Glenview lagoon



Photo #17 – Minor woody vegetation on east side of Glenview lagoon

Culver Farm Satellite Storage

According to Mr. Bergen and the As-Built which was provided to the EPA inspection team for review, the Satellite Storage is a lined earthen storage that measures 275 feet in length, 175 feet in width, and is 16 feet deep; holds 3.2 million gallons of manure; and has approximately 2 months of storage. Mr. Bergen stated that the manure storage was constructed in approximately 2008.

At the time of the inspection, visual observations at the Culver Satellite Storage indicated that the storage was approximately 10 feet deep. The EPA inspection team observed the storage was fenced and warning signs were posted around the storage. Some minor overgrown woody vegetation on the west side of the storage near the plastic lining was also observed.



Photo #18 – Woody vegetation on Culver Road Satellite Storage berm

Other wastes:

Section VIII.C.x of the NYSDEC CAFO General Permit requires that dead animals shall be properly disposed of within three (3) days and in a manner to prevent contamination of waters of the State or creation of a public health hazard and “NRCS Conservation Practice Standard No. NY317 (Composting Facility)” states that contaminated runoff from compost facilities should be directed to appropriate storage or treatment facility for further management.

Mortalities at the Facility are handled through composting. Mortalities are composted at the Main Farm and at Glenview Farm. At the Main Farm, animals are composted at the end of a lane located to the east of Heifer Barn #1. At Glenview Farm, animals are composted in a pile just north of the bunk silo. Mr. Bergen stated that he uses sawdust and straw bedding as the base for the compost piles. Mr. Bergen’s NMP states that mortalities are composted following the Cornell Animal Mortality Composting guidelines with 2 feet of wood chip base with wood chip and waste feed covering materials. However, during the inspection, the EPA inspection team did not observe a wood chip base or use of wood chips as a covering material.

The EPA inspection team observed leachate ponding at the mortality compost pile at the Main Farm. No leachate ponding or O&M issues were observed at the mortality compost pile at the Glenview Farm.



Photo #19 – Mortality compost piles at Main Farm; note leachate ponding in background and lack of wood chip base or covering material

CONCLUSIONS:

Potential Violations

1. Section IX.F of the CAFO General Permit requires the permittee to retain copies of all records and reports required by this permit for a period of at least 5 years from the date reported. The following records were not retained as required:
 - a. Section IX.K of the NYSDEC CAFO General Permit requires the permittee install and maintain a standard rain gauge in the proximity of the confinement area. Section IX.K of the NYSDEC CAFO General Permit also specifies that all precipitation events in excess of 0.3 inches shall be measured and recorded. At the time of the inspection, the EPA inspection team observed the following records: April 2012– June 2012; May 2013 – November 2013; and March 2014 – April 2014 (present day). Records from May 2009 to May 2012 were not available.
 - b. Section IX.N.ii of the NYSDEC CAFO General Permit requires daily water line inspections, including drinking water and cooling water lines to be conducted and Section IX.O.i (*Production Areas*) requires records of those inspections to be documented. At the time of the inspection, the EPA inspection team observed that daily water line inspections at the Facility were provided for 2014 only. Records of water line inspections from May 2009 – December 2013 were not available.
 - c. Section IX.O.ii (*Production Areas*) of the NYSDEC CAFO General Permit requires the permittee to keep weekly records of depth marker readings for manure and process wastewater in any open liquid storage structures. At the time of the inspection, the EPA inspection team observed that weekly depth marker readings were available for the concrete pit at the Main Farm and the Satellite Storage at Culver Farm for the month of April 2014 and periodic weekly inspections were documented for the Glenview Farm lagoon from March 2012 to May 2012. No records were

available for the Main Farm Slurrystore up until the time it was emptied in the spring of 2013. For all four storages, records were not available from May 2009 to March 2014.

- d. Section IX.O.iv (*Production Areas*) of the NYSDEC CAFO General Permit requires the permittee to keep records of handling and disposing of dead animals. At the time of the inspection, the EPA inspection team observed that the Facility did not have mortality records available for review from May 2009 to the present day (May 2014).
 - e. Section IX.O.i (*Land Application Areas*) of the NYSDEC CAFO General Permit requires the permittee to keep records of weather conditions at time of application and for 24 hours prior to and following application. At the time of the inspection, the EPA inspection team observed that the Facility did not maintain records of weather conditions at the time of application and for 24 hours prior to and following application from May 2009 to the present day (May 2014).
 - f. Section IX.O.ii (*Land Application Areas*) of the NYSDEC CAFO General Permit requires the permittee to keep records of the date(s) that manure application equipment was inspected. At the time of the inspection, the EPA inspection team observed that the Facility did not have records of when its manure application equipment was inspected.
2. Section VII.A of the NYSDEC CAFO General Permit states that CNMPs are required to be prepared in accordance with “NRCS Conservation Practice Standard No. NY312” which requires that waste management systems shall include components necessary to properly manage waste. Necessary components for a complete waste management system include Nutrient Management or “NRCS Conservation Practice Standard NY590.” NRCS NY590, Operation and Maintenance, states “[d]ocumentation of the actual rate at which nutrients were applied. When the actual rates used differ from or exceed the recommended and planned rates, records will indicate the reasons for the differences” In addition, the operation and maintenance section further specifies that records must be maintained for at least 5 years to document plan implementation and maintenance. At the time of the inspection, the EPA inspection team observed manure application records from April 2013 to the present day (May 2014). Records from May 2009 – March 2013 were not available.
 3. Section X.G of the NYSDEC CAFO General Permit requires the permittee to at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with this permit. During the inspection, the EPA inspection team observed that the underbunk drainage system at the Main Farm was not being operated and maintained properly as there was a discharge of contaminated (non-clean) water from the drainage system. The contaminated water flowed to an on-site farm pond via a roadside ditch and field ditch before exiting the farm pond and making its way to the Upper Taughannock Creek and tributary approximately one half mile away. The EPA inspection team did note that the discharge from the pond flowed through an adjacent dairy farm where cows had free access to the pasture prior to entering the Upper Taughannock Creek.

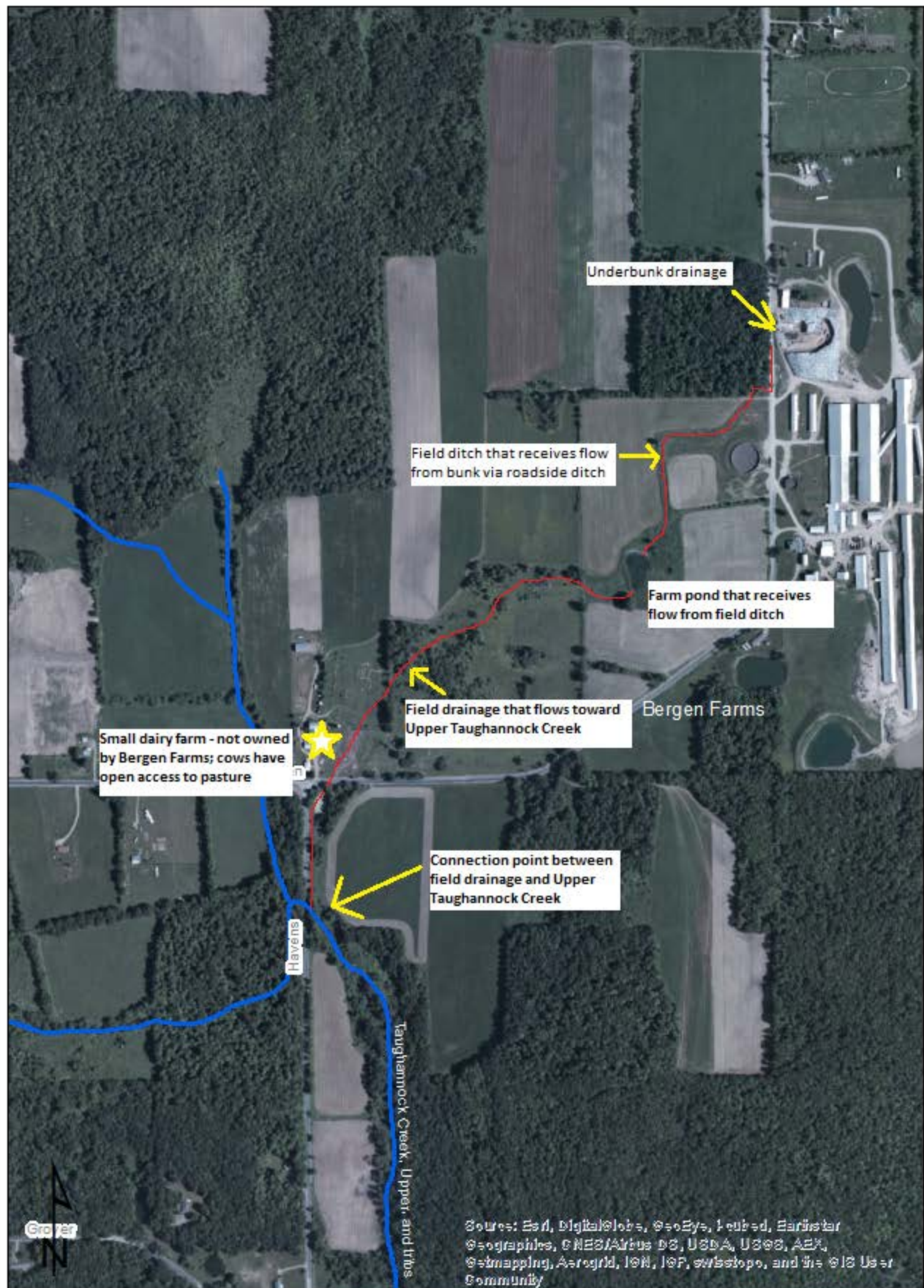
Areas of Concern

1. Section VII.A of the NYSDEC CAFO General Permit states that CNMPs are required to be prepared in accordance with “NRCS Conservation Practice Standard No. NY312” which requires that waste management systems shall include components necessary to properly manage waste. Necessary components for a complete waste management system include Nutrient Management or “NRCS Conservation Practice Standard NY590.” NRCS NY590, Operation and Maintenance, states “[d]ocumentation of the actual rate at which nutrients were applied. When the actual rates used differ

from or exceed the recommended and planned rates, records will indicate the reasons for the differences.” The EPA inspection team observed that manure was slightly overapplied to one field (Blaha 12) in Crop Year 2012. Specifically, the recommendation for the field was 4,500 gallons/acre and 4,667 gallons/acre were applied.

2. Section X.G of the NYSDEC CAFO General Permit requires the permittee to at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with this permit. During the inspection, the EPA inspection team observed that the level lip spreader at the second VTA at the Main Farm was not fully operational due to a blow-out.
3. Section X.G of the NYSDEC CAFO General Permit requires the permittee to at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with this permit. During the inspection, the EPA inspection team observed the lack of vegetation and stabilization on the west side of the Glenview storage lagoon. The EPA inspection team also observed rodent holes on the south and east side of the storage. In addition, the EPA inspection team observed minor woody vegetation growth on the east side of the Glenview storage lagoon and the west side of the Culver Road satellite storage.
4. Section I.D of the NYSDEC CAFO General Permit defines Animal Feeding Operation (AFO) as a lot or facility where animals have been, are, or will be stabled or confined and fed or maintained for a total of 45 days or more in any 12 month period, and where the animal confinement areas do not sustain crops, vegetation, forage growth, or post-harvest residues in the normal growing season. In addition, Section I.AD.i of the NYSDEC CAFO General Permit defines “Production Area” as the part of an AFO that includes the animal confinement area... which includes, but is not limited to, open lots, housed lots, feedlots, confinement houses, stall barns, free stall barns, milk rooms, milking centers, cowyards, barnyards, medication pens, walkers, animal walkways, and stables. During the inspection, the EPA inspection team observed that animals housed at the Yearling Barn have access to a walkway and barnyard that was devoid of vegetation.
5. Section X.G of the NYSDEC CAFO General Permit requires the permittee to at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with this permit. During the inspection, the EPA inspection team observed that the mortality compost piles at the Main Farm were not being operated and maintained in accordance with the procedures outlined in the Facility’s NMP. Specifically, the NMP stated that mortalities should be composted following the Cornell Animal Mortality Composting guidelines which call for 2 feet of wood chip base with wood chip and waste feed covering materials. The EPA inspection team observed that the mortality compost piles did not have a wood chip base or use wood chips as a covering material. In addition, leachate ponding was observed around the piles at the Main Farm.
6. During the inspection, the EPA inspection team observed that not all stormwater collection and clean water diversions were mapped on the Facility maps. Specifically, the EPA inspection team observed a catch basin to the east of the Heifer Barn that was not identified on the farmstead map, nor was a catch basin by the shop identified on the farmstead map. Nor were weekly stormwater inspections of all stormwater diversion structures, and devices channeling contaminated stormwater to the wastewater and manure storage and containment structures documented to show that they were done as required by Section IX.N.i of the NYSDEC CAFO General Permit.

Bergen Farm (NYA000279)





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Facility Name: Bergen Farms

SPDES: NYA000279

Date: 5/6/2014

II. GENERAL INFORMATION

1. Surface water(s) which would receive production area discharges:

Facility stated none - See insp. rpt for add'l details

2. Watershed(s): (CBP, NYC, Lk Champlain, etc.)

Owego, Wappaseening, Seneca

3. Is there analytical data from the farm well(s) indicating contamination?

☐ Yes ☐ No DNI

4. Type(s) and numbers of animals currently managed:

3165 mature, 2758 heifers

5a. Type of Operation: ☒ Year Round ☐ Seasonal

5b. Type of Operation: ☐ Open Lot ☒ Partially Exposed ☐ Fully Roofed
barnyard

6. Are human wastes being mixed or stored with manure or process wastewater?

☐ Yes ☒ No

7. Are additional nutrients imported? (Excl: commercial/chemical fertilizer)

☐ Yes ☐ No

If "Yes", what types and amounts?

Whey for feed; no spreading

8. Are nutrients being exported?

☒ Yes ☐ No

9. If the volume of manure, litter, or process wastewater exported exceeds 50 tons annually to any one recipient have the entity, dates, amounts, and address of recipient, been documented in the CNMP?

☒ Yes ☐ No

put into computer (dates, amt in NMP) Gardner, Bruce Austin
Mayberry, milk pasture

10. Have all waste recipients been provided with the nutrient content of the manure?

☒ Yes ☐ No

11. Are all waste storage facilities mapped and included in the CNMP?

☒ Yes ☐ No



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SPDES: NYA000279

Date: 5/6/2014

III. COMPREHENSIVE NUTRIENT MANAGEMENT PLAN (CNMP)

1. Has CNMP been completed and is it available onsite? ☒ Yes ☐ No
2. Is the CNMP certification / Appendix B (completed and signed) available onsite? ☒ Yes ☐ No
3. Are the annual compliance reports / Appendix D (completed and signed) available onsite?
2009-2013 ☒ Yes ☐ No
4. Are field data/nutrient application (e.g. Cropware Output) sheets available? ☒ Yes ☐ No
5. Are soil test results less than 3 years old?
2011-2013 (2011 fields to be done this yr) ☒ Yes ☐ No
6. Have manure nutrient analyses been completed in the past year? (large) or past 2 years? (medium) ☒ Yes ☐ No
7. Are fields with very high P Index scores scheduled to receive or receiving additional manure or P-fertilizer?
☐ Yes ☒ No
8. Do fields with very high N Index scores have adjusted practice recommendations (e.g. cover crops, timing of application)?
no very high fields ☐ Yes ☐ No N/A
9. Are field spreading setbacks recorded for wells and streams (perennial and intermittent)?
ind. sinkholes + wells ☒ Yes ☐ No
10. Are manure applications being recorded and tallied by individual field or management unit?
See insp. rpt for spec. fields evaluated ☒ Yes ☐ No
11. Is field spreading in general accord with recommendations?
See insp. rpt for spec. fields evaluated ☐ Yes ☐ No
12. Does the CNMP identify fields to spread during adverse weather conditions?
32 fields in Emerg. Mgmt Plan ☒ Yes ☐ No
13. Identify any new animal housing or manure storage structures added since last inspection:
Heifer Barn extension on #6 (Heifer Barn #2)
14. Are these new structures recorded in the CNMP? ☒ Yes ☐ No
15. Was the CNMP updated for facility expansion as necessary (e.g. herd or flock increases of $\geq 20\%$)? ☐ Yes ☐ No N/A
16. Is an emergency action plan available? ☒ Yes ☐ No
17. If "Yes", has it been communicated to employees? (ex: posted in appropriate languages) ☒ Yes ☐ No
18. Has the CNMP been fully implemented? ☒ Yes ☐ No

If "No," provide current status:

Overall Rating:



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Facility Name: Bergen Farms

SPDES: N/A 000279

Date: 5/16/2014

IV. STORMWATER RUNOFF MANAGEMENT

Complete one Section IV. for Each Farmstead (Use Multiple Sheets If Necessary)

Farmstead Name / Identifier: Main Farm

1. Is there evidence of runoff discharged directly to a surface water?

☐ Yes ☐ No

If "Yes," describe pipe(s) or channel(s), show location(s) on the map, and indicate if contaminated or potentially contaminated:

drainage from underbunk system - see insp. rpt & attachment 1

2. Farmstead Runoff Management System Includes: ☐ Runoff to Waste Storage ☐ Solids Sedimentation System

☐ Wastewater Treatment Strip ☐ Direct Flows to Remote Field ☒ Other dnp trenches

3. Does clean water come into contact with the production area?

☒ Yes ☐ No

4. Do roof drains segregate clean rainwater from contaminated runoff? dnp trenches

☒ Yes ☐ No

5. Does a watercourse flow through the production area?

☐ Yes ☒ No

6. If "Yes", have livestock been completely fenced out of production area watercourses?

☐ Yes ☐ No N/A

7. Describe any deficiencies (e.g. operation and maintenance) and the various stages of implementation:

see insp. rpt

Overall Rating:

V. OTHER WASTES Main Farm

1. Are milking center wastes co-disposed with manure?

☒ Yes ☐ No

2. If "No", describe the method or system for disposal/treatment:

3. Are procedures for handling and disposal of dead animals sufficient?

☐ Yes ☐ No

composted

- see insp. rpt
for findings

4. How is the spoiled silage/feed/commodities handled?

field spread

5. Describe any deficiencies and the various stages of implementation:

Overall Rating:



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SPDES: NYA000279

Date: 5/6/2014

IV. STORMWATER RUNOFF MANAGEMENT

Complete one Section IV. for Each Farmstead (Use Multiple Sheets If Necessary)

Farmstead Name / Identifier: Glenview Farm

1. Is there evidence of runoff discharged directly to a surface water?

If "Yes," describe pipe(s) or channel(s), show location(s) on the map, and indicate if contaminated or potentially contaminated:

☐ Yes ☒ No

2. Farmstead Runoff Management System Includes:

☐ Wastewater Treatment Strip

☐ Runoff to Waste Storage

☒ Direct Flows to Remote Field

☐ Solids Sedimentation System

☐ Other

3. Does clean water come into contact with the production area?

☐ Yes ☐ No

4. Do roof drains segregate clean rainwater from contaminated runoff?

no gutters

☐ Yes ☐ No

5. Does a watercourse flow through the production area?

☐ Yes ☐ No

6. If "Yes", have livestock been completely fenced out of production area watercourses?

☐ Yes ☐ No

7. Describe any deficiencies (e.g. operation and maintenance) and the various stages of implementation:

Overall Rating:

V. OTHER WASTES Glenview Farm

1. Are milking center wastes co-disposed with manure?

☐ Yes ☐ No

2. If "No", describe the method or system for disposal/treatment:

3. Are procedures for handling and disposal of dead animals sufficient?

☐ Yes ☐ No

Compost pile (next to bunk) see report for findings

4. How is the spoiled silage/feed/commodities handled?

field spread

5. Describe any deficiencies and the various stages of implementation:

Overall Rating:



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IV. STORMWATER RUNOFF MANAGEMENT

Complete one Section IV. for Each Farmstead (Use Multiple Sheets If Necessary)

Farmstead Name / Identifier: Culver Road Farm

1. Is there evidence of runoff discharged directly to a surface water?

☐ Yes ☐ No

If "Yes," describe pipe(s) or channel(s), show location(s) on the map, and indicate if contaminated or potentially contaminated:

2. Farmstead Runoff Management System Includes:

☐

Runoff to Waste Storage

☐

Solids Sedimentation System

☐

Wastewater Treatment Strip

☐

Direct Flows to Remote Field

☐

Other

3. Does clean water come into contact with the production area?

☐ Yes ☐ No

4. Do roof drains segregate clean rainwater from contaminated runoff? no gutters

☐ Yes ☐ No

5. Does a watercourse flow through the production area?

☐ Yes ☐ No

6. If "Yes", have livestock been completely fenced out of production area watercourses?

☐ Yes ☐ No

7. Describe any deficiencies (e.g. operation and maintenance) and the various stages of implementation:

Overall Rating:

V. OTHER WASTES

1. Are milking center wastes co-disposed with manure?

☐ Yes ☐ No

2. If "No", describe the method or system for disposal/treatment:

3. Are procedures for handling and disposal of dead animals sufficient?

☐ Yes ☐ No

4. How is the spoiled silage/feed/commodities handled?

5. Describe any deficiencies and the various stages of implementation:

Overall Rating:



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VI. SILAGE/FEED/COMMODITIES STORAGE

Complete Section VI. for Each Silage/Feed/Commodities Storage Area (Use Multiple Sheets If Necessary)

Storage Area Name / Identifier: Main Farm

1. Describe the material(s), method(s) and approximate storage capacity:

300' x 300', corn silage & haylage
28,350 Tons

2. Are adequate measures taken to exclude precipitation/groundwater?

covered w/ plastic, secured w/ ties

☒ Yes ☐ No

3. If "No", describe:

4. Leachate/Runoff Management includes:

☐ Runoff to Waste Storage

☐ Solids Separation System

☐ High/Low Flow Separator

☒ Wastewater Treatment Strip

☐ Direct Flows to Field

☐ Other

see insp. rpt for findings

5. Are Ag Bags being placed such that the leachate runoff could affect water quality?

☐ Yes ☐ No

6. If "Yes" is an appropriate leachate control system in place?

☐ Yes ☐ No

Overall Rating:

VII. MONITORING AND REPORTING

1. Is a rain gage onsite?

☒ Yes ☐ No

2. If "Yes", have all precipitation events in excess of 0.3 inch been measured and recorded?

☐ Yes ☒ No

3. Does the permittee retain copies of all records and reports for at least 5 years?

☐ Yes ☒ No

Note deficiencies found:

4. Are records of overflows from production areas, including the date and time and an estimate of the volume available and sufficient?

☐ Yes ☐ No

FOR LARGE BEEF, DAIRY, VEAL CALF, SWINE, AND POULTRY CAFOS:

see insp. rpt for findings

5. Have weekly inspections of all storm water devices, runoff diversion structures, animal waste storage structures, and devices

channeling contaminated storm water to the wastewater and manure storage and containment structure been done and adequately recorded?

☐ Yes ☐ No

6. Are weekly records of the depth marker readings for manure and process wastewater in any open liquid storage structures available and sufficient?

☐ Yes ☐ No

7. Are records of precipitation exceeding 0.3 inch for a period of 24 hours prior to, during, and for 24 hours after land applications available?

☐ Yes ☐ No

Overall Rating:



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Facility Name: Bergen Farms

SPDES: NYA000279

Date: 5/6/2014

VI. SILAGE/FEED/COMMODITIES STORAGE

Complete Section VI. for Each Silage/Feed/Commodities Storage Area (Use Multiple Sheets If Necessary)

Storage Area Name / Identifier: Glenview Farm

1. Describe the material(s), method(s) and approximate storage capacity:

130' x 380', corn silage + haylage
~ 15,500 tons

2. Are adequate measures taken to exclude precipitation/groundwater?

☐ Yes ☐ No

3. If "No", describe:

4. Leachate/Runoff Management includes:

☒ (low flow)
Runoff to Waste Storage

☐ Solids Separation System

☐ High/Low Flow Separator

☒ Wastewater Treatment Strip

☐ Direct Flows to Field

☐ Other see insp rpt

5. Are Ag Bags being placed such that the leachate runoff could affect water quality?

☐ Yes ☐ No

6. If 5 "Yes", is an appropriate leachate control system in place?

☐ Yes ☐ No

Overall Rating:

VII. MONITORING AND REPORTING

1. Is a rain gage maintained onsite?

☐ Yes ☐ No

2. If "Yes", have all precipitation events in excess of 0.3 inch been measured and recorded?

☐ Yes ☐ No

3. Does the permittee retain copies of all records and reports for at least 5 years?

☐ Yes ☐ No

Note deficiencies found:

4. Are records of overflows from production areas, including the date and time and an estimate of the volume available and sufficient?

☐ Yes ☐ No

FOR LARGE BEEF, DAIRY, VEAL CALF, SWINE, AND POULTRY CAFOS:

5. Have weekly inspections of all storm water devices, runoff diversion structures, animal waste storage structures, and devices channeling contaminated storm water to the wastewater and manure storage and containment structure been done and adequately recorded?

☐ Yes ☐ No

6. Are weekly records of the depth marker readings for manure and process wastewater in any open liquid storage structures available and sufficient?

☐ Yes ☐ No

7. Are records of precipitation exceeding 0.3 inch for a period of 24 hours prior to, during, and for 24 hours after land applications available?

☐ Yes ☐ No

Overall Rating:



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Facility Name: Bergen Farms

SPDES: NYA000279

Date: 5/6/2014

VIII. WASTE STORAGE FACILITIES and MANURE TRANSFER

Complete Section VIII. for Each Waste Storage Facility (Use Multiple Sheets If Necessary)

Waste Storage Facility Name / Identifier: Main Farm "Concrete Pit"

1. Are "As Builts" documentation of the installation Available and Signed
by a PE or appropriate NRCS Employee? 11/3/2008 JESS Eng. PLLC ☒ Yes ☐ No

2. Is there an Undesigned Storage Evaluation Certification Letter Signed
by a PE or appropriate NRCS Employee (If yes attach copy to inspection report)? ☐ Yes ☐ No } MA

3. If Both 1 and 2 are "No", is it scheduled for an evaluation by a PE? ☐ Yes ☐ No

4. What is the date of installation of the waste storage facility? 2006

5. What materials are stored? (e.g. manure, whey, leachate) manure, milkhouse waste, leachate

6. Construction: ☐ Clay-Lined ☐ Plastic-Lined ☐ Unlined ☐ Steel ☒ Concrete ☐ Other

7. Capacity (gallons): ~1.3 mil gal

6. Approximate Dimensions (ex: side slopes, LxWxD)

8. Approximate Storage Period: ~1.5 mo 110' dia; 16' depth

9. Has a permanent depth marker or recorder been installed at the design storage level?(NY313)
max fill inst. ☒ Yes ☐ No

10. Is there evidence of the waste storage facility exceeding the design storage volume? ☐ Yes ☒ No

11. Is fencing in place surrounding the storage?(NY313) ☒ Yes ☐ No

12. Are outside embankments covered with properly maintained vegetation to control erosion?(NY313) ☒ Yes ☐ No

13. Are trees, rodent holes, cracks, seeps, etc. evident in the embankment area surrounding the wsf? ☐ Yes ☒ No

14. Does the storage have a written O&M plan and does it appear that it is being followed? ☒ Yes ☐ No

15. Describe any deficiencies and the various stages of implementation:
(ex: lack of records, poor maintenance, etc.)

Overall Rating:

If there are Associated Permanent or Semi-Permanent Pipelines:

18. Are they: ☐ Above Ground ☒ Below Ground

19. Are there stand pipes/valves/junctions at or near streams? ☐ Yes ☐ No

20. Do the valves appear to function properly? ☐ Yes ☐ No

21. Is there evidence of leakage in the pipeline(s), pumps, or valves?(NY634) ☐ Yes ☐ No

22. Are there anti-siphon devices in place? ☐ Yes ☐ No

Overall Rating:



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Facility Name: Bergen Farms

SPDES: NYA000279

Date: 5/6/2014

VIII. WASTE STORAGE FACILITIES and MANURE TRANSFER

Complete Section VIII. for Each Waste Storage Facility (Use Multiple Sheets If Necessary)

Waste Storage Facility Name / Identifier: Main Farm - "Slumystere"

not in use

1. Are "As Builts" documentation of the installation Available and Signed by a PE or appropriate NRCS Employee? letter from JESS Eng. (11/2008) ~ NRCS discussing O&M reqts & Max fill marker ☐ Yes ☒ No
2. Is there an Undesigned Storage Evaluation Certification Letter Signed by a PE or appropriate NRCS Employee (If yes attach copy to inspection report)? ☐ Yes ☒ No
3. If Both 1 and 2 are "No", is it scheduled for an evaluation by a PE? ☐ Yes ☒ No
4. What is the date of installation of the waste storage facility? 1993
5. What materials are stored? (e.g. manure, whey, leachate) manure ~ milkhouse waste
6. Construction: ☐ Clay-Lined ☐ Plastic-Lined ☐ Unlined ☒ Steel ☐ Concrete ☐ Other
7. Capacity (gallons): 750,000 gal
6. Approximate Dimensions (ex: side slopes, LxWxD) 70' dia, 25' depth ☒ empty since Spring 2013
8. Approximate Storage Period: ~10 days
9. Has a permanent depth marker or recorder been installed at the design storage level?(NY313) float w/ yellow ball ☐ Yes ☐ No
10. Is there evidence of the waste storage facility exceeding the design storage volume? ☐ Yes ☒ No
11. Is fencing in place surrounding the storage?(NY313) ☐ Yes ☒ No
12. Are outside embankments covered with properly maintained vegetation to control erosion?(NY313) ☒ Yes ☐ No
13. Are trees, rodent holes, cracks, seeps, etc. evident in the embankment area surrounding the wsf? ☐ Yes ☒ No
14. Does the storage have a written O&M plan and does it appear that it is being followed? no specific plan other than what is outlined in JESS Eng. ltr ☐ Yes ☐ No
15. Describe any deficiencies and the various stages of implementation: (ex: lack of records, poor maintenance, etc.)

Overall Rating:

If there are Associated Permanent or Semi-Permanent Pipelines:

18. Are they: ☐ Above Ground ☒ Below Ground

19. Are there stand pipes/valves/junctions at or near streams?

☐ Yes ☐ No

20. Do the valves appear to function properly?

☐ Yes ☐ No

21. Is there evidence of leakage in the pipeline(s), pumps, or valves?(NY634)

☐ Yes ☐ No

22. Are there anti-siphon devices in place?

☐ Yes ☐ No

Overall Rating:

did not insp.



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SPDES: NYA000279

Date: 5/6/2014

VIII. WASTE STORAGE FACILITIES and MANURE TRANSFER

Complete Section VIII. for Each Waste Storage Facility (Use Multiple Sheets If Necessary)

Waste Storage Facility Name / Identifier: Glennview Farm - "Lagoon"

1. Are "As Builts" documentation of the installation Available and Signed
by a PE or appropriate NRCS Employee? NRCS 8/99 doc. from SWCD ☒ Yes ☐ No
starting that const. was done to as-built by someone was on-site. undated email to DEC

2. Is there an Undesigned Storage Evaluation Certification Letter Signed
by a PE or appropriate NRCS Employee (If yes attach copy to inspection report)? ☐ Yes ☐ No

3. If Both 1 and 2 are "No", is it scheduled for an evaluation by a PE? ☐ Yes ☐ No

4. What is the date of installation of the waste storage facility? 1999 (bought from facility - not sure when)

5. What materials are stored? (e.g. manure, whey, leachate) manure, leachate, milkhouse waste

6. Construction: ☐ Clay-Lined ☐ Plastic-Lined ☐ Unlined ☐ Steel ☐ Concrete ☐ Other
(earthen)

7. Capacity (gallons): ~4 mill

6. Approximate Dimensions (ex: side slopes, LxWxD)

8. Approximate Storage Period: ~2 mo
175' x 250' x 12'
bottom dim 170' x 250'

9. Has a permanent depth marker or recorder been installed at the design storage level?(NY313) ☒ Yes ☐ No
PVC pipes on bank

10. Is there evidence of the waste storage facility exceeding the design storage volume? ☐ Yes ☒ No

11. Is fencing in place surrounding the storage?(NY313) ☐ Yes ☒ No
partial (see rpt)

12. Are outside embankments covered with properly maintained vegetation to control erosion?(NY313) ☐ Yes ☒ No
some areas not vegetated (see rpt)

13. Are trees, rodent holes, cracks, seeps, etc. evident in the embankment area surrounding the wsf? ☒ Yes ☐ No
some observed (see rpt)

14. Does the storage have a written O&M plan and does it appear that it is being followed? ☐ Yes ☐ No
unknown; not w/ as-built but there is genl O&M in Emergency plan

15. Describe any deficiencies and the various stages of implementation
(ex: lack of records, poor maintenance, etc.)

Overall Rating:

If there are Associated Permanent or Semi-Permanent Pipelines:

18. Are they: ☐ Above Ground ☒ Below Ground

19. Are there stand pipes/valves/junctions at or near streams? ☐ Yes ☐ No

20. Do the valves appear to function properly? ☐ Yes ☐ No

21. Is there evidence of leakage in the pipeline(s), pumps, or valves?(NY634) ☐ Yes ☐ No

22. Are there anti-siphon devices in place? ☐ Yes ☐ No

Overall Rating:

} did not inspect



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Facility Name: Bergen Farms

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Date: 5/16/2014

VIII. WASTE STORAGE FACILITIES and MANURE TRANSFER

Complete Section VIII. for Each Waste Storage Facility (Use Multiple Sheets If Necessary)

Waste Storage Facility Name / Identifier: Culver Road - "Satellite Lagoon"

1. Are "As Builts" documentation of the installation Available and Signed
by a PE or appropriate NRCS Employee? 12/23/11 JESS Eng. PLLC ☒ Yes ☐ No

2. Is there an Undesigned Storage Evaluation Certification Letter Signed
by a PE or appropriate NRCS Employee (If yes attach copy to inspection report)? ☐ Yes ☐ No

3. If Both 1 and 2 are "No", is it scheduled for an evaluation by a PE? ☐ Yes ☐ No } MA

4. What is the date of installation of the waste storage facility? 2008

5. What materials are stored? (e.g. manure, whey, leachate) manure, leachate, milkhouse waste

6. Construction: ☐ Clay-Lined ☐ Plastic-Lined ☐ Unlined ☐ Steel ☐ Concrete ☐ Other

7. Capacity (gallons): ~3.2 mill gal 6. Approximate Dimensions (ex: side slopes, LxWxD) earthen, lined plastic

8. Approximate Storage Period: ~2 mo 275' x 16' x 175'

9. Has a permanent depth marker or recorder been installed at the design storage level?(NY313) ☒ Yes ☐ No

10. Is there evidence of the waste storage facility exceeding the design storage volume? ☐ Yes ☒ No

11. Is fencing in place surrounding the storage?(NY313) ☒ Yes ☐ No

12. Are outside embankments covered with properly maintained vegetation to control erosion?(NY313) ☒ Yes ☐ No

13. Are trees, rodent holes, cracks, seeps, etc. evident in the embankment area surrounding the wsf? ☒ Yes ☒ No

14. Does the storage have a written O&M plan and does it appear that it is being followed? ☒ Yes ☐ No

15. Describe any deficiencies and the various stages of implementation:
(ex: lack of records, poor maintenance, etc.)

Overall Rating:

If there are Associated Permanent or Semi-Permanent Pipelines:

18. Are they: ☐ Above Ground ☐ Below Ground

Did not inspect

19. Are there stand pipes/valves/junctions at or near streams? ☐ Yes ☐ No

20. Do the valves appear to function properly? ☐ Yes ☐ No

21. Is there evidence of leakage in the pipeline(s), pumps, or valves?(NY634) ☐ Yes ☐ No

22. Are there anti-siphon devices in place? ☐ Yes ☐ No

Overall Rating:



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Date: 5/6/2014

If there are ~~Associated Tanks/Reception Pits/Hoppers:~~

~~22. Have tanks/reception pits/hoppers been sized to contain less than 7 full days' manure production?~~

☐ Yes ☐ No

~~23. Is there evidence of leakage in any tanks/reception pits/hoppers?(NY634)~~

☐ Yes ☐ No

Overall Rating:

IX. WASTEWATER TREATMENT STRIPS

Complete Section IX. for Each Wastewater Treatment Strip (Use Multiple Sheets If Necessary)

Wastewater Treatment Strip Name / Identifier: Main Farm

Wastewater Source: (ex: bunk silo #4) VTA

*-see insp. rpt for
observations/findings*

1. Was the treatment strip designed by a Technical Service Provider or NRCS employee with appropriate job approval authority?

11/29/2006 JESS Eng. PLLC

☒ Yes ☐ No

2. Does the treatment strip finished grade appear not less than 2% and not more than 12%?(NY635)

☒ Yes ☐ No

3. Does the treatment strip lower edge appear to be a minimum of 25 feet from surface waters of the State and the entire strip 100 feet from a well?(NY635) has 2' berm as it is near field ditch w/ water that flows to farm pond

☐ Yes ☒ No

4. Is there evidence of pollution beyond the filter area?

☐ Yes ☒ No

5. Are excess solids problematic in the filter area?

☐ Yes ☒ No

6. Do all discharges to the treatment strip appear to be uniformly distributed over a level cross-section?(NY635)

☒ Yes ☐ No

7. Is permanent grass-based vegetation present on a uniformly graded strip?(NY635)

☒ Yes ☐ No

8. Are all concentrated wastewaters (low flows) being diverted away from the treatment strip?(NY635)

☒ Yes ☐ No

(i.e. treatment strips should be designed and utilized for the treatment of contaminated runoff from feedlots, barnyards, livestock holding areas, milking center effluents and high flow dilute silage leachate only)

9. Is a kill zone evident in the treatment strip?(NY635)

☒ Yes ☐ No

10. Should further source control be utilized to reduce the volume, frequency, and concentrations of pollutants entering the treatment strip? (Including diversion of clean water up to the peak discharge from a 25yr/24hr storm)

☐ Yes ☒ No

11. Is the treatment strip mowed and harvested periodically?(NY635)

☒ Yes ☐ No

12. Does the treatment strip have a written O&M plan and does it appear that it is being followed?

☒ Yes ☐ No

Overall Rating:



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If there are Associated Tanks/Reception Pits/Hoppers:

22. Have tanks/reception pits/hoppers been sized to contain less than 7 full days' manure production?

☐ Yes ☐ No

23. Is there evidence of leakage in any tanks/reception pits/hoppers?(NY634)

☐ Yes ☐ No

Overall Rating:

IX. WASTEWATER TREATMENT STRIPS

Complete Section IX. for Each Wastewater Treatment Strip (Use Multiple Sheets If Necessary)

Wastewater Treatment Strip Name / Identifier: Glenview Farm

Wastewater Source: (ex: bunk silo #4)

1. Was the treatment strip designed by a Technical Service Provider or NRCS employee with appropriate job approval authority?

JESS Engineering PLLC 12/3/07

☒ Yes ☐ No

2. Does the treatment strip finished grade appear not less than 2% and not more than 12%?(NY635)

☒ Yes ☐ No

3. Does the treatment strip lower edge appear to be a minimum of 25 feet from surface waters of the State and the entire strip 100 feet from a well?(NY635)

☒ Yes ☒ No

4. Is there evidence of pollution beyond the filter area?

☐ Yes ☒ No

5. Are excess solids problematic in the filter area?

☐ Yes ☒ No

6. Do all discharges to the treatment strip appear to be uniformly distributed over a level cross-section?(NY635)

Currently covered w/ straw

☐ Yes ☐ No

7. Is permanent grass-based vegetation present on a uniformly graded strip?(NY635)

☐ Yes ☐ No

8. Are all concentrated wastewaters (low flows) being diverted away from the treatment strip?(NY635)
(i.e. treatment strips should be designed and utilized for the treatment of contaminated runoff from feedlots, barnyards, livestock holding areas, milking center effluents and high flow dilute silage leachate only)

☐ Yes ☐ No

9. Is a kill zone evident in the treatment strip?(NY635)

☐ Yes ☐ No

10. Should further source control be utilized to reduce the volume, frequency, and concentrations of pollutants entering the treatment strip? (Including diversion of clean water up to the peak discharge from a 25yr/24hr storm)

☐ Yes ☐ No

11. Is the treatment strip mowed and harvested periodically?(NY635)

☐ Yes ☐ No

12. Does the treatment strip have a written O&M plan and does it appear that it is being followed?

☐ Yes ☐ No

Overall Rating:

*See insprpt
for observations
findings*

*cannot
evaluate!*



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X. PERMITTEE ACTION(S) REQUIRED / COMMENTS

☐ None noted

☐ Actions required as follows:

please refer to EPT insp. rpt for observations + findings

ADDITIONAL COMMENTS

Items the facility has accomplished:

Significant observed environmental concerns/risks:

THIS REPORT IS ONLY RELEVANT TO THE ITEMS INSPECTED AND CHECKED